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SEQUENCE LISTING

<110> Ball, Kathryn L  
Lane, David P

<120> Methods and Means for Inhibition of CDK4 Activity

<130> CCI-007US

<140> US 09/180,269

<141> 1999-07-08

<150> PCT/GB97/01250

<151> 1997-05-08

<150> GB 9609521.1

<151> 1996-05-08

<150> GB 9621314.5

<151> 1996-10-09

<160> 28

<170> PatentIn Ver. 2.1

<210> 1

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthesised

<400> 1

Met Ser Glu Pro Ala Gly Asp Val Arg Gln Asn Pro Cys Gly Ser Lys  
1 5 10 15

Ala Cys Arg Arg  
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<210> 2

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthesised

<400> 2

Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu Ser  
1 5 10 15

Arg Asp Cys Asp  
20

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<210> 3  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 3  
 Ser Arg Asp Cys Asp Ala Leu Met Ala Gly Cys Ile Gln Glu Ala Arg  
           1                  5                  10                  15

Glu Arg Trp Asn  
                   20

<210> 4  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 4  
 Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu Gly  
           1                  5                  10                  15

Asp Phe Ala Trp  
                   20

<210> 5  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 5  
 Gly Asp Phe Ala Trp Glu Arg Val Arg Gly Leu Gly Leu Pro Lys Leu  
           1                  5                  10                  15

Tyr Leu Pro Thr  
                   20

B!  
 Cont.

<210> 6  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 6  
 Leu Tyr Leu Pro Thr Gly Pro Arg Arg Gly Arg Asp Glu Leu Gly Gly  
           1                          5                          10                          15

Gly Arg Arg Pro  
                   20

<210> 7  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 7  
 Gly Gly Arg Arg Pro Gly Thr Ser Pro Ala Leu Leu Gln Gly Thr Ala  
           1                          5                          10                          15

Glu Glu Asp His  
                   20

<210> 8  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 8  
 Ala Glu Glu Asp His Val Asp Leu Ser Leu Ser Cys Thr Leu Val Pro  
           1                          5                          10                          15

Arg Ser Gly Glu  
                   20

<210> 9  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 9  
 Pro Arg Ser Gly Glu Gln Ala Glu Gly Ser Pro Gly Gly Pro Gly Asp  
           1                  5                  10                  15

Ser Gln Gly Arg  
                   20

<210> 10  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 10  
 Lys Arg Arg Gln Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg  
           1                  5                  10                  15

Leu Ile Phe Ser  
                   20

<210> 11  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 11  
 Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg Leu Ile Phe Ser  
           1                  5                  10                  15

Lys Arg Lys Pro  
                   20

<210> 12  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motif

<400> 12  
 Arg Arg Leu Ile Phe  
     1                    5

<210> 13  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motif

<400> 13  
 Lys Arg Arg Leu Ile Phe Ser Lys  
     1                    5

<210> 14  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <221> SITE  
 <222> (2)..(3)  
 <223> Xaa may be any amino acid

<220>  
 <221> SITE  
 <222> 6, 8  
 <223> Xaa may be hydrophobic

<220>  
 <221> SITE  
 <222> 1, 9  
 <223> Residue may be absent or different, ie another  
         amino acid

<220>  
 <223> Description of Artificial Sequence: General  
         formula

<400> 14  
 Lys Xaa Xaa Arg Arg Xaa Phe Xaa Pro  
     1                    5

<210> 15  
 <211> 16  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Carrier  
 peptide

<400> 15  
 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys  
       1                  5                  10                  15

<210> 16  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthesised

<400> 16  
 Pro Arg Ser Gly Glu Gln Ala Glu Gly Ser Pro Gly Gly Pro Gly Asp  
       1                  5                  10                  15

Ser Gln Gly Arg  
                   20

<210> 17  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthesised

<400> 17  
 Glu Gln Ala Glu Gly Ser Pro Gly Gly Pro Gly Asp Ser Gln Gly Arg  
       1                  5                  10                  15

Lys Arg Arg Gln  
                   20

<210> 18  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 18  
 Gly Ser Pro Gly Gly Pro Gly Asp Ser Gln Gly Arg Lys Arg Arg Gln  
           1                          5                          10                          15

Thr Ser Met Thr  
                           20

<210> 19  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 19  
 Gly Pro Gly Asp Ser Gln Gly Arg Lys Arg Arg Gln Thr Ser Met Thr  
           1                          5                          10                          15

Asp Phe Tyr His  
                           20

<210> 20  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 20  
 Ser Gln Gly Arg Lys Arg Arg Gln Thr Ser Met Thr Asp Phe Tyr His  
           1                          5                          10                          15

Ser Lys Arg Arg  
                           20

<210> 21  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 21  
 Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg Leu Ile Phe Ser  
           1                  5                  10                  15  
 Lys Arg Lys Pro  
                   20

<210> 22  
 <211> 16  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 22  
 Asp Phe Tyr His Ser Lys Arg Arg Leu Ile Phe Ser Lys Arg Lys Pro  
           1                  5                  10                  15

<210> 23  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Truncated  
           peptide

<400> 23  
 Lys Arg Arg Leu Ile Phe Ser Lys  
           1                  5



<210> 24  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 24  
 Lys Arg Arg Gln Thr Ser Ala Thr Asp Phe Tyr His Ser Lys Arg Arg  
   1                  5                  10                  15  
 Leu Ile Phe Ser Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met  
                   20                  25                  30  
 Lys Trp Lys Lys  
                   35

<210> 25  
 <211> 24  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 25  
 Lys Arg Arg Leu Ile Phe Ser Lys Arg Gln Ile Lys Ile Trp Phe Gln  
   1                  5                  10                  15  
 Asn Arg Arg Met Lys Trp Lys Lys  
                   20

<210> 26  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthesised

<400> 26  
 Arg Gln Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg Arg Gln  
   1                  5                  10                  15  
 Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys  
                   20                  25                  30

<210> 27  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthesised

<400> 27  
Gln Thr Ser Met Thr Asp Phe Tyr  
1 5

<210> 28  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthesised

<400> 28  
Lys Arg Arg Gln Thr Ser Ala Thr Asp Phe Tyr His Ser Lys Arg Arg  
1 5 10 15

Leu Ile Phe Ser  
20

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Cont